

IN THE CLAIMS

Please cancel claims 42, 47, 60, 68, 70, 71, 80, and 81, and amend the remaining claims as follows:

52. (Amended) The peptide or protein of claim [42] 43 obtained by a method comprising sequentially treating a tissue extract containing a lectin:

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- (a) with pepsin or at an acidic pH to remove a majority of contaminating proteins while retaining lectinic activity,
 - (b) by chromatography using SEPHACRYL S-200[®] [(agarose with acrylamide links)] (gel filtration media with a fractionation range of 5,000-250,000 daltons for globular proteins),
 - (c) by chromatography using [DEAE] diethylaminoethyl cellulose,
 - (d) by chromatography using CM-TRISACRYL-M[®] [(agarose with acrylamide links)] (gel filtration media with a fractionation range of 200-2,500 daltons),
 - (e) by affinity chromatography using N-acetylneuraminic acid as a ligand, and
 - (f) by reversed-phase [HPLC] high pressure liquid chromatography to separate the peptide or protein.

53. (Amended) The peptide or protein of claim 52, wherein 55 kd and 14 kd bands are recovered if the peptide or protein is subjected to [SDS-PAGE] sodium dodecyl sulfate polyacrylamide gel electrophoresis.

54. (Amended) A method for obtaining the peptide or protein of claim [42] 43 comprising sequentially treating a tissue extract containing a lectin:

- (a) with pepsin or at an acidic pH to remove a majority of contaminating proteins while retaining lectinic activity,